

**Name:** Bonifacio, Ezio, Prof. PhD

Position: Professor for preclinical approaches to stem cell therapy/Diabetes  
Date of Birth: 08.12.1959  
Gender: male  
Nationality: Australian  
Affiliation: Center for Regenerative Therapies Dresden (CRTD) of TU Dresden  
Phone: +49 351 458 82100  
E-mail: [ezio.bonifacio@tu-dresden.de](mailto:ezio.bonifacio@tu-dresden.de)  
Family status: Married, 1 child

### Education/ Degrees

1977 - 1979 West Australian Institute of Technology, Perth, Australia (BApSc. Medical Technology)  
1985 - 1992 Doctoral studies at University of Western Australia, Perth, Australia (PhD)

### Academic Career

1979-1980 Research Assistant, Department of Pathology, University of Western Australia  
1981-1989 Medical Technologist and from 1986 Senior Medical Technologist, Department of Clinical Immunology, QEII Med Centre, West Australia  
1987 Visiting Research Fellow, Department of Immunology, Middlesex Hospital Medical School, London, UK.  
1989 Juvenile Diabetes Foundation Research Fellow, Department of Immunology, Middlesex Hospital Medical School, London, UK  
1993 Department of Medicine, San Raffaele Scientific Institute, Italy  
1999 von Humboldt fellow, Diabetes Research Institute, Munich, Germany  
2001-2007 Director, Telethon-JDRF Center for BETA-Cell Replacement, San Raffaele Institute, Italy  
2007-present Full W3 Professor, Center for Regenerative Therapies Dresden, Technische Universität Dresden, Germany  
2006-2014 Principle investigator of the international, multi-center, Pre-POINT clinical trial  
2008-2012 Coordinator, EU FP7 Collaborative Project DIAPREPP  
2016-2018 Director DFG-Center for Regenerative Therapies Dresden, Technische Universität Dresden, Germany  
2019-present Co-Director, Dresden Genome Center Next Generation Sequencing Competence Center

### Awards and Honors:

2013 28th Annual Ray A. and Robert L. Kroc Lecturer for outstanding contribution to diabetology, Forum for Diabetes Research Uppsala University  
2008 - 2011 Coordinator EU FP7 Collaborative Project DIAPREPP

## List of 10 most important papers

1. Bonifacio E, Beyerlein A, Hippich M, Winkler C, Vehik K, Weedon MN, Laimighofer M, Hattersley AT, Krumsiek J, Frohnert BI, Steck AK, Hagopian WA, Krischer JP, Lernmark Å, Rewers MJ, She JX, Toppari J, Akolkar B, Oram RA, Rich SS, Ziegler AG; TEDDY Study Group. Genetic scores to stratify risk of developing multiple islet autoantibodies and type 1 diabetes: A prospective study in children. *PLoS Med.* 2018;15(4):e1002548.
2. Heninger AK, Eugster A, Kuehn D, Buettner F, Kuhn M, Lindner A, Dietz S, Jergens S, Wilhelm C, Beyerlein A, Ziegler AG, Bonifacio E. A divergent population of autoantigen-responsive CD4<sup>+</sup> T cells in infants prior to  $\beta$  cell autoimmunity. *Sci Transl Med.* 2017;9(378).
3. Bonifacio E, Ziegler AG, Klingensmith G, Schober E, Bingley PJ, Rottenkolber M, Theil A, Eugster A, Puff R, Peplow C, Buettner F, Lange K, Eisenbarth G, Hasford J, Achenbach P. Effects of high dose oral insulin on immune responses in children at high risk for Type 1 Diabetes: the Pre-POINT randomized clinical trial. *JAMA.* 2015;313(15):1541-9.
4. Bonifacio E. Predicting Type 1 Diabetes using biomarkers. *Diabetes Care.* 2015;38(6):989-96
5. Eugster A, Lindner A, Catani M, Heninger AK, Dahl A, Klemroth S, Kühn D, Dietz S, Bickle M, Ziegler AG, Bonifacio E. High Diversity in the TCR Repertoire of GAD65 Autoantigen-Specific Human CD4<sup>+</sup> T Cells. *J Immunol.* 2015;194:2531-8.
6. Ziegler AG, Rewers M, Simell O, Simell T, Lempainen J, Steck A, Winkler C, Ilonen J, Veijola R, Knip M, Bonifacio E, Eisenbarth GS. Seroconversion to multiple islet autoantibodies and risk of progression to diabetes in children. *JAMA.* 2013;309:2473-9.
7. Ziegler AG, Bonifacio E; BABYDIAB-BABYDIET Study Group. Age-related islet autoantibody incidence in offspring of patients with Type 1 Diabetes. *Diabetologia.* 2012;55:1937-43.
8. Monti P, Scirpoli M, Maffi P, Ghidoli N, De Taddeo F, Bertuzzi F, Piemonti L, Falcone M, Secchi A, Bonifacio E. Islet transplantation in autoimmune diabetes patients induces homeostatic cytokines that expand autoreactive memory T cells. *J Clin Invest.* 2008;118:1806-14.
9. Achenbach P, Koczwara K, Knopff A, Naserke H, Ziegler AG, Bonifacio E. Mature high affinity immune responses to (pro)insulin anticipate the autoimmune cascade leading to Type 1 Diabetes. *J Clin Invest.* 2004;114:589-597.
10. 10) Ziegler AG, Schmid S, Huber D, Hummel M, Bonifacio E. Early infant feeding and risk of developing Type 1 Diabetes-associated autoantibodies. *JAMA.* 2003;290:1721-8.